

Becatech

Interconnective Power



Marine control instrumentation cable, collectively screened and unarmoured (SH-CI-C-U)

Cable Structure :

Conductor: flexible bare (optional tinned) copper according to IEC 60228 (class 5).

Insulation: HF XLPE according to IEC 60092-360.

Collectively screened: aluminum / polyester tape with drain wire.

Outer sheath: SHF1 compound according to IEC 60092-360.

Core identification:

- Single: black with numbers (1,2,3,...).
- Pair: black, white with numbers (1-1,2-2,3-3,...).
- Triple: black, white, red with numbers (1-1-1,2-2-2,3-3-3,...).
- Quad: black, white, red, blue with numbers (1-1-1-1,2-2-2-2,3-3-3-3,...).

Technical Specification :

Rated conductor temperature: -40°C to 90°C.

Rated bending radius: 6 x ϕ .

Minimum installation temperature: -15°C

Fire behaviour:

- Not fire propagation according to IEC 60332-3-22.
- Not flame propagation according to IEC 60332-1.
- Halogen free according to IEC 60754-1.
- pH and conductivity according to IEC 60754-2.
- Fluorine content according to IEC 60684-2.
- Smoke emission according to IEC 61034.

Application :

Can be used for fixed installation in most areas and on open deck in ships and offshore units, especially when lightweight cables are needed.

If the cable is exposed to direct sunlight, protective covering or cable with black outer sheath is recommended.

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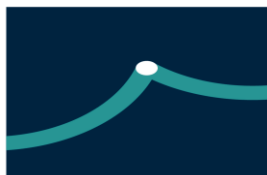
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Core x pair x mm ²	Overall Diameter mm	Cu Mass (kg/km)	Cable Mass (kg/km)
2x2x0.5	7.9	24	74
4x2x0.5	9.3	44	107
7x2x0.5	11.0	72	158
10x2x0.5	14.2	101	216
14x2x0.5	15.4	140	284
19x2x0.5	17.53	188	378
24x2x0.5	20.4	236	472
30x2x0.5	21.5	293	561
37x2x0.5	23.4	360	678
2x2x0.75	9.4	34	103
4x2x0.75	10.8	63	154
7x2x0.75	13.1	106	249
10x2x0.75	17.1	149	330
14x2x0.75	18.5	207	430
19x2x0.75	20.8	279	548
24x2x0.75	24.5	351	687
30x2x0.75	26.2	437	822
37x2x0.75	28.4	538	994
2x2x1	9.9	46	118
4x2x1	11.6	84	179
7x2x1	14.1	142	275
10x2x1	18.0	200	396
14x2x1	19.8	276	506
19x2x1	22.2	372	663
24x2x1	26.2	468	842
30x2x1	27.9	584	1010
37x2x1	30.4	718	1219
2x2x1.5	11.6	65	118
4x2x1.5	13.4	123	236
7x2x1.5	16.3	209	367
10x2x1.5	21.2	296	526
14x2x1.5	23.2	411	691
19x2x1.5	26.1	555	906
24x2x1.5	31.0	699	1124

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30x2x1.5	33.1	872	1373
37x2x1.5	35.9	1073	1659
2x2x2.5	13.0	106	200
4x2x2.5	15.4	202	330
7x2x2.5	18.7	346	526
10x2x2.5	24.3	490	750
14x2x2.5	26.7	682	1002
19x2x2.5	30.2	922	1317
24x2x2.5	35.8	1162	1653
30x2x2.5	38.0	1450	2004
37x2x2.5	41.5	1786	2436

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